

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:

YOSHIDA, AKITO DOCKET NO.:

W2K1077

SERIAL NO:

10/082,472

EXAMINER:

ZARNEKE

FILED:

02/22/02

ART UNIT:

2827

TITLE:

A STACKING STRUCTURE FOR SEMICONDUCTOR DEVICES USING A FOLDED OVER FLEXIBLE SUBSTRATE AND METHOD

THEREFOR

Assistant Commissioner for Patents Washington, D.C. 20231 Weiss, Moy & Harris, PC 4202 N. Brown Avenue Scottsdale, AZ, 85251

December 13, 2002

I hereby certify that on the 13^{th} day of December, 2002, this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(c), Applicant brings to the attention of the Examiner the documents listed on the attached form PTO-1449 listing the following references. Enclosed is a check in the amount of \$180.00 in accordance with 37 C.F.R. § 1.97(c)(2).

The listed references may be relevant to the prosecution of the subject application. Applicant respectfully requests that these references be considered and made of record.

No representation is made or intended as to the completeness of this list, nor is this submission of references an admission that these references are prior art or material to the subject application.

If there are any fees incurred by this Amendment Letter, please deduct them from our Deposit Account NO. 23-0830.

Respectfully submitted,

Jeffrey D. Moy Reg. No. 39,307

Attorney for Applicants

Weiss, Moy & Harris, P.C. 4204 N. Brown Ave. Scottsdale, AZ 85251 (480) 994-8888 (Phone) (480) 947-2663 (Fax)

JDM/wp

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 3

Co	Complete if Known						
Application Number	10/082,472						
Filing Date	02/22/02						
First Named Inventor	Yoshida						
Group Art Unit	2827						
Examiner Name	Zarneke						
Attorney Docket Number	W2K1077						

U.S. PATENT DOCUMENTS								
Examiner Cite U.S. Patent Document Kind Code² Number (if known)		Number Kind Co	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
		6.005.778	Spielberger et al.	12-21-1999				
		4,763,188	Johnson	08-09-1988				
		5,025,306	Johnson et al.	06-18-1991				
Ll		5,291,061	Ball	03-01-1994				
·		5,323,060	Fogal et al.	06-21-1994				
		5,721,452	Fogal et al.	02-24-1998				
		5,739,581	Chillara et al.	04-14-1998				
		5,815,372	Gallas	09-29-1998				
		5,886,412	Fogal et al.	03-23-1999				
		Re.36,613	Ball	03-14-2000				
		6,051,886	Fogal et al.	04-18-2000	·			
		6.057.598	Payne et al.	05-02-2000				
		5,502,289	Takiar et al.	03-26-1996	`			
		5,973,403	Wark	10-26-1999				
		5,696,031	Wark	12-09-1997	·			
		5,495,398	Takiar et al.	02-27-1996				
		5,463,253	Waki et al.	10-31-1995				
		5,012,323	Faraworth	04-30-1991				
		5,689,135	Ball	11-18-1997				
		5,347,429	Kohno et al.	09-13-1994				

			·		FOR	EIGN PATENT DOCUMENT	S	,	
Examiner Initials	Cite No.1	Office ³	Foreign Patent Document Kind Code ⁵		Kind Code ⁵ Applicant of Cited Document Cited Document		Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant	Тб
			62-126661	Eng.	Abs		06-08-1987	Figures Appear	+
			62-56262	Eng.	1		02-24-1992	• • •	
			63-244654				10-12-1988		1
			5136323	Eng.	T		06-01-1993		
			5109975	Eng.	Abs	,	04-30-1993	:	
		-	61117858	Eng.	Abs.		06-05-1986		
		-	4028260 🗷	Eng			01-30-1992		
			4116859	Eng.	Abs		04-17-1992		\Box
		1	4096358	Eng.	Abs.	•	03-27-1992		
			5013665	Eng.			01-22-1993		

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents, ³ Enter Office that issued the document, by the two-letter code (WPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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E	Substitu	ite for form 1449A	/PTO	,	Co	omplete if Known
	(2)				Application Number	10/082,472
0 20				CLOSURE	Filing Date	02/22/02
ا ا	ASTA	TEMENT	BY A	PPLICANT	First Named Inventor	Yoshida
	.8			•	Group Art Unit	2827
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ADE	Sheet	2	of	3	Attorney Docket Number	W2K1077

				U.S. PATENT DOCU	JMENTS	
Examiner nitials*	No.1 Number		Nocument Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines; Where Relevant Passages or Relevant Figures Appear
		6,080,26	54	Ball	06-27-2000	
		5,422,43		Takiar et al.	06-06-1995	
		6,072.24		Nakanishi	06-06-2000	
		6.214.64		Akram	04-10-2001	
		5.715.14		Nagano	02-03-1998	
		6,133,63	37	Hikita et al.	10-17-2000	
		5,866,94	4 9	Schueller	02-02-1999	· .
		6,326,69	96	Horton et al.	12-04-2001	
				- 3		
		6,013,94	8:	Akram et al.	01-11-2000	
		-6,157,08	0	Tamaki et al.	12-05-2000	
		6,140,14		Wark	10-31-2000	
			- -			
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	FOREIGN PATENT DOCUMENTS								
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. 1			1028856 w/E	ng.	Abs.		01-31-1989		
			1099248Aw/E	- 1			04-18-1989	4	
		-	60182731w/E				09-18-1985		- 7
		-	56062351w/E				05-28-1981		
		-	3169062 w/Ei			· · ·	07-22-1991		
		1	10-256470				09-25-1998		
		-	1071162Aw/Ei	ng.	Abs.	<u> </u>	03-16-1989		
		-	5-75015(A)E				03-26-1993		
		-	503 201 A2				12-20-1991		
		-	64001269 E1	ng.	Abs.		01-05-1989	·	

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	 US- 6,118,1 US- 6,163,0 US- 6,215,1	76 12-19	2=2000 9=2000	Tao et al. Lee et al.	
	US- 6 252 3	1 04-10		Tao et al.	
	 us- 6.258.6	$\frac{1}{26} 06 - 26$	5-2001	Lin et al.	
······································	 us- 6,333,5	1 07 - 10 62)-2001	Wang et al.	
	 us B	1 12-25 40	5-2001	Lin	
	 us- B		2002	Lin et al.	
·····	 US- B	1 04-02		Chen_et_al.	
	$^{\text{US-}}$ 6,461,8	05=14 97	-2002	Pai et al.	
	 110		3-2002	Lin et al.	
	US-				

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.1	Foreign Patent Document Country Code ³ -Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	 T'		
	-		02-24-1999					
		62126661 w/Eng. Abs.						
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